

WHAT IS CLAIMED IS:

- ✓ 1. A process for producing selective immune down regulation in a subject to an infectious bacterial agent comprising introducing to said subject a reagent or a combination of reagents capable of producing selective immune down regulation and comprising a component or components or fragments thereof of said infectious agent.
2. The process of claim 1, wherein said infectious bacterial agent comprises streptococcus.
3. The process of claim 2, wherein said streptococcus is the causative agent for rheumatic fever or glomerular nephritis.
- ✓ 4. A transplantation process comprising the steps of:
establishing selective immune down regulation in a recipient subject to the antigens of a donor comprising a member selected from the group consisting of MHC Class I, MHC Class II and histocompatibility factors, or a combination of any of the foregoing; and
introducing into said recipient subject cells, tissue, or organs, or components thereof from said donor.
- ✓ 5. A transplantation process comprising the steps of:
establishing selective immune down regulation in a donor to an antigen or antigens of a recipient, said establishment being carried out by introducing to said donor cells, tissue, organs, or components thereof from said recipient, thereby establishing selective immune down regulation in said donor to said recipient antigen or antigens prior to transplanting into said donor the cells, tissue, organs, or components thereof; and
transplanting thereafter into said recipient the cells, tissue, organs, or components thereof from said donor having selective down immune regulation.
6. The transplantation process of claim 5, wherein said recipient antigen or antigens are selected from the group consisting of immune cells, bone marrow cells and T cells, or a combination of any of the foregoing.
7. The transplantation process of claim 5, wherein said recipient cells, tissue or organs, or components are selected from the group consisting of immune cells or bone marrow cells or T cells.

8. The transplantation process of claim 5, wherein said donor antigen comprises a member selected from the group consisting of MHC Class I, MHC Class II, and histocompatibility factors, or a combination of any of the foregoing.

✓ 9. A process for treating Crohn's disease in a subject, comprising the steps of establishing selective immune down regulation in said subject to inflamed intestine by introducing into said subject components, cells, tissues or organs derived from allogeneic sources, xenogeneic sources and autologous sources, and immunologically equivalents, or combinations thereof.

✓ 10. A method of treating diabetes in a subject by establishing in said subject selective immune down regulation to non-insulin epitopes comprising a member selected from the group consisting of pancreatic cells, insulin receptors, fatty cells and liver cells, or component thereof, said epitopes being derived a source selected from allogeneic sources, xenogeneic sources and autologous sources, and immunologically equivalents, or combinations thereof.

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